

BEST AVAILABLE COPY

Appln. No. 10/800,986
Office Action dated January 4, 2006
Reply to Office Action dated May 31, 2006

In the Claims:

Claims 1-16 (canceled).

New Claims

17. (new) In a method for producing on a plate-shaped workpiece having a principal plane, a threaded projection extending from the body of the workpiece at an angle relative to the principal plane of the workpiece, the steps comprising:
- (a) making cuts in a plate-shaped workpiece to produce a lug (2) with two sides and having one end joined by a junction (3) to the body of the workpiece (4) and including a cut along the course of a threaded contour (5, 6) on at least one side of the lug (2) said contour extending from said junction (3) with said body of said workpiece (4), and said lug (2) extending in the principal plane of the body of said workpiece; and
 - (b) bending said lug (2) having said threaded contour (5,6) out of said plane of said body of said workpiece (4) to form a threaded projection extending at an angle relative to the principal plane of said body of said workpiece (4).

Appln. No. 10/800,986
Office Action dated January 4, 2006
Reply to Office Action dated May 31, 2006

18. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 17 wherein said cutting step produces two cuts along the course of threaded contours (5, 6) along both sides of said lug (2) and extending from the junction (3) with said body of said workpiece (4).

19. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 18 wherein said threaded contours (5, 6) on both sides of said lug (2) are mutually offset in the longitudinal direction so as to generate a pitch.

20. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 17 wherein said cutting step is effected by a punch press to produce said at least one cut in the principal plane of said workpiece and along the course of a threaded contour (5, 6).

21. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 17 wherein said cutting step utilizes a thermal cutting process to produce at least one cut in the principal plane of said workpiece along the course of a threaded contour (5, 6).

Appln. No. 10/800,986
Office Action dated January 4, 2006
Reply to Office Action dated May 31, 2006

22. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 21 wherein said thermal cutting process employs a laser beam.

23. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 17 wherein the bending step employs a bending press.

24. (new) The method of producing a threaded projection on a workpiece in accordance with Claim 17 wherein said cutting step produces cuts along the course of threaded contours on both sides of said lug.

Appln. No. 10/800,986
Office Action dated January 4, 2006
Reply to Office Action dated May 31, 2006

25. (new) A machining installation for producing on a plate-shaped workpiece a threaded projection extending from the body of the workpiece at an angle relative to the principal plane of the body of the workpiece, including:

(a) a cutting device for cutting the workpiece (4) to produce a lug (2) having two sides and joined on one end by a junction (3) to the body of the workpiece (4);

(b) a thread cutting device for producing a cut along the course of a threaded contour (5, 6) on at least one side of the lug (2) extending from the junction (3) with the body of the workpiece (4), and the lug (2) extending in the principal plane of the workpiece; and

(c) a bending device for bending the lug (2) having a threaded contour (5,6) out of the plane of the body of the workpiece (4) to form a threaded projection projecting at an angle relative to the principal plane of the body of the workpiece (4).

26. (new) the machining installation in accordance with Claim 25 wherein said thread cutting device can produce two cuts along the course of threaded contours (5, 6) on both sides of the lug (2) extending from the junction (3) with the body of the workpiece (4), while the lug (2) extends in the principal plane of the workpiece.

Appln. No. 10/800,986

Office Action dated January 4, 2006

Reply to Office Action dated May 31, 2006

27. (new) The machining installation in accordance with Claim 25 wherein said thread cutting device can produce two cuts along the course of threaded contours (5, 6) on both sides of the lug (2) extending from the junction (3) with the body of the workpiece (4), said threaded contours (5, 6) on both sides of the lug (2) are offset in the longitudinal direction so as to generate a pitch.

28. (new) The machining installation in accordance with Claim 25 wherein said thread cutting device is a punch press.

29. (new) The machining installation in accordance with Claim 25 wherein said thread cutting device is a thermal cutting device.

30. (new) The machining installation in accordance with Claim 29 wherein said thermal cutting device is a laser cutting device.

31. (new) The machining installation in accordance with Claim 25 wherein said bending device is a bending press.

Appln. No. 10/800,986

Office Action dated January 4, 2006

Reply to Office Action dated May 31, 2006

32. (new) The machining installation in accordance with Claim 25 wherein said cutting device for the cutting of the lugs (2) also serves as the thread cutting device so that the lug (2) is cut extending in the principal plane of the workpiece.

33. (new) The machining installation in accordance with Claim 25 in that the machining installation includes a cutting station, a bending station, and a workpiece coordinate guide system, and wherein said coordinate guide system transports the workpiece processed in said cutting station to said bending station.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☐ **GRAY SCALE DOCUMENTS**

☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.